

# PATENT ABSTRACTS OF JAPAN

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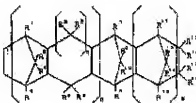
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## (54) CYCLIC OLEFIN RESIN LAMINATE

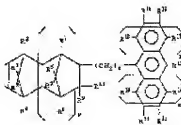
### (57)Abstract:

PROBLEM TO BE SOLVED: To ameliorate the balance of physical properties such as strength and heat resistance by using a cyclic olefin resin which is represented by a specific composition formula and has a specific softening temperature.

SOLUTION: A cyclic olefin resin is selected from a random copolymer of ethylene and a cyclic olefin represented by formula I or formula II of a composition formula and a graft modified product of the copolymer. In this case, in the formula I, (n) is 0 or 1; (m) is an integer of 0 or 1 or more; and (q) is 0 or 1. R1-R18 and Ra, Rb are independently a hydrogen atom, a halogen atom or a hydrogen group. In addition, in the formula II, (p) and (q) are an integer of 0 or 1 or more; (m) and (n) are 0, 1 or 2. Further R1-R19 are independently a hydrogen atom, a halogen atom or a hydrocarbon group or an alkoxy group. And at least one layer of the cyclic olefin resin layers has 100°C or less softening temperature and at least one layer has 100°C or more softening temperature.



I



II